

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: FAIL-SAFE

Report Number: P365239

Luminaire Tested: **FLD6BX10D010-FEU6B12-8050-F6LBXVM1-MW-BTR81**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365239
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-19)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: FLD6BX10D010-FEU6B12-8050-F6LBXVM1-MW-BTR81
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, MATTE WHITE REFLECTOR,
BOTTOM TRIM POLYCARBONATE, PATTERN 12 0.156", 1000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 597.0 lumens
Efficiency: N/A
Efficacy: 59.7 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 1.16 / 1.19
Luminous Opening: Circular (Dia: 0.44' x H: 0')
CIE Type: Direct

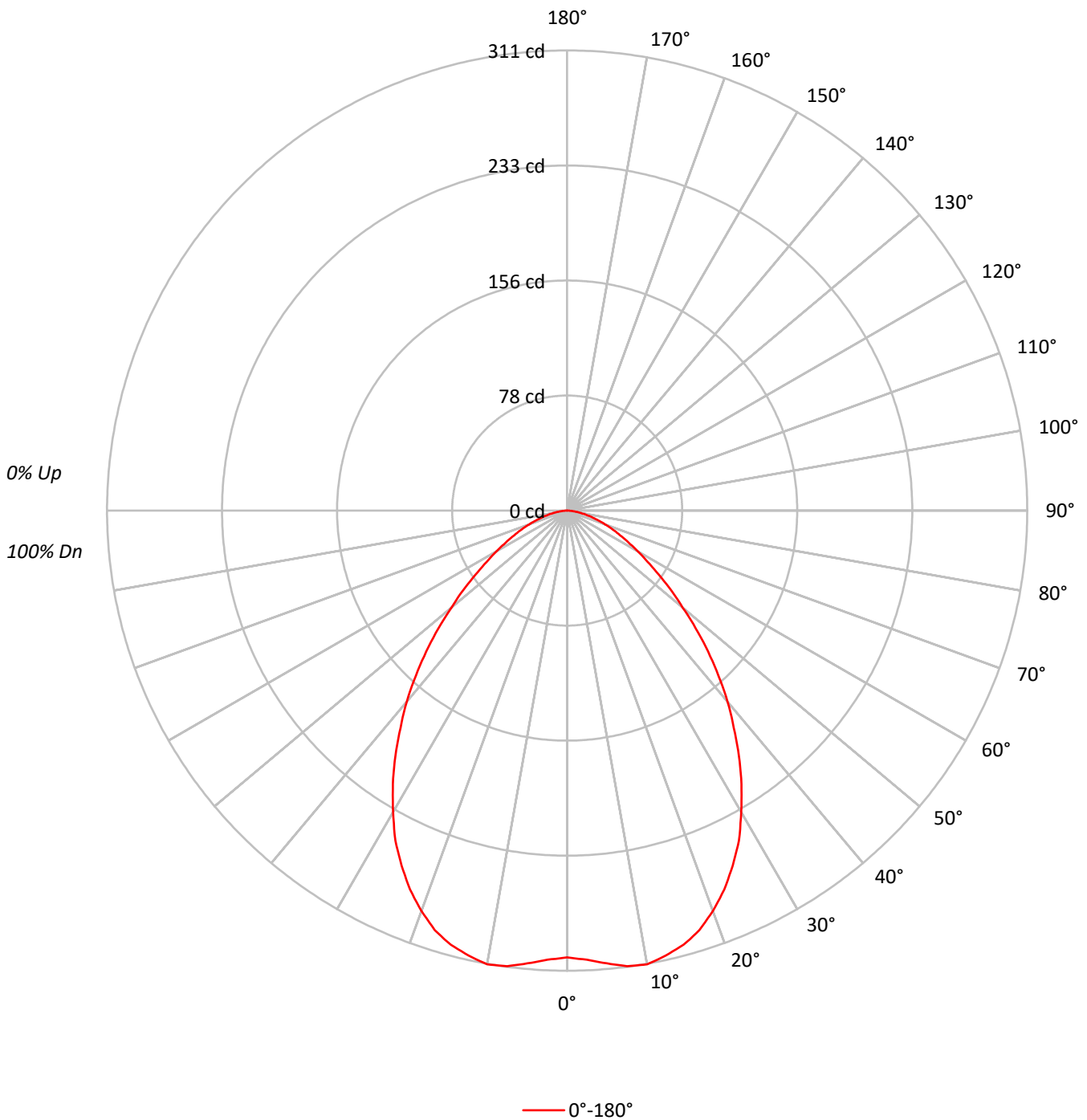
Input Watts (W): 10
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20			
RC	80				70				50				30				10	0		
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50	30	10	0
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102	102	102	100
1	111	107	103	100	108	105	101	99	101	98	96		97	95	93		93	91	90	88
2	103	96	90	85	100	94	89	84	90	86	82		87	84	80		84	81	79	77
3	95	86	79	73	93	84	78	73	81	76	71		79	74	70		76	72	69	67
4	88	77	70	64	86	76	69	64	74	68	63		72	66	62		70	65	61	59
5	82	70	62	57	80	69	62	56	67	61	56		65	60	55		64	59	55	53
6	76	64	56	50	74	63	56	50	62	55	50		60	54	49		58	53	49	47
7	71	59	51	45	69	58	51	45	57	50	45		55	49	45		54	49	44	43
8	66	54	46	41	65	54	46	41	52	46	41		51	45	41		50	45	40	39
9	62	50	43	38	61	50	42	37	48	42	37		47	41	37		46	41	37	35
10	59	47	39	34	58	46	39	34	45	39	34		44	38	34		43	38	34	32

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	21617
5°	22080
10°	22641
15°	22520
20°	21937
25°	20912
30°	19446
35°	17700
40°	15778
45°	13630
50°	11362
55°	9425
60°	7876
65°	6675
70°	5715
75°	4731
80°	3752
85°	2793



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	29.5	4.9
10°-20°	85.3	14.3
20°-30°	121.4	20.3
30°-40°	126.2	21.1
40°-50°	103.7	17.4
50°-60°	68.5	11.5
60°-70°	39.7	6.6
70°-80°	18.5	3.1
80°-90°	4.2	0.7
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	236.2	39.6
0°-40°	362.4	60.7
0°-60°	534.6	89.5
0°-90°	597.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	597.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	302	
5°	307	29
15°	304	85
25°	265	121
35°	202	126
45°	135	104
55°	76	69
65°	39	40
75°	17	18
85°	3	4
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	301.9
2.5°	303.8
5°	307.2
7.5°	310.6
10°	311.4
12.5°	308.0
15°	303.8
17.5°	297.4
20°	287.9
22.5°	277.3
25°	264.7
27.5°	251.5
30°	235.2
32.5°	219.2
35°	202.5
37.5°	185.1
40°	168.8
42.5°	151.3
45°	134.6
47.5°	118.0
50°	102.0
52.5°	88.8
55°	75.5
57.5°	64.5
60°	55.0
62.5°	46.7
65°	39.4
67.5°	33.4
70°	27.3
72.5°	22.0
75°	17.1
77.5°	12.9
80°	9.1
82.5°	6.1
85°	3.4
87.5°	1.5
90°	0.0

(END OF REPORT)